

REMARKS

Entry of this Amendment, reconsideration and withdrawal of all grounds of objection and rejection, and allowance of the pending claims are respectfully requested in light of the above amendments and the following remarks. Claims 1-19, as shown above, remain pending herein.

At the outset, Applicants note with appreciation the indication in the Final Office Action that claims 3, 11 and 15 recite allowable subject matter. Applicants note that the aforementioned claims have been rewritten in an independent format and overcome all objections thereto.

Claims 1, 2, 4-10, 12-14 and 16-19 stand rejected under 35 U.S.C. §102(b) over Conary et al. (U.S. 5,481,731 herein after “Conary”). Applicants respectfully traverse this ground of rejection for the reasons indicated herein below.

Conary discloses a system where storage in a cache memory of processor must be clear because during its non-use in a reduced power mode, the data in the cache becomes invalid.

In contrast, instant claim 1 recites that the second data processing unit has its own memory in addition to the memory of the first processing unit, and that the second data processing unit uses the memory of the first data processing unit during a power reduction mode instead of its own memory. Support is clearly shown, for example, at least in Fig. 4 and is disclosed in the specification at page 4, lines 13-17. While the “own” memory can be switched off, this is not an absolute requirement and that memory can remain in a power reduction mode, so that only the memory of the first processor is used.

Thus, instant claim 1 contrasts with Conary, as the reference discloses that when an external memory is used while the cache is powered down, the internal cache data is invalidated. The reference fails to disclose that a data processing device, which has its own memory that could be used during a power reduction mode, instead utilizes a different memory belonging to a first data processing unit. One advantage is a further savings in power.

For at least the above reasons, Applicants respectfully submit that instant claim 1, and those claims dependent on claim 1, are allowable. Applicants also respectfully submit that base claim 13 has been amended and also is patentable in view of Conary. Reconsideration and withdrawal of this ground of rejection are respectfully requested.

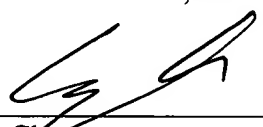
Claim 8 stands rejected under 35 U.S.C. §102(b) over Carmean et al. (U.S. 5,669,003 herein after “Carmean”). Applicants respectfully traverse this ground of rejection for similar reasons as discussed above.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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Date: May 4, 2004

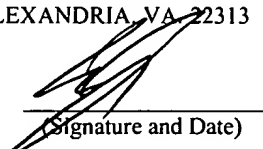
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